

Please amend the Claims as follows. For the convenience of the Examiner, all of the claims, in the form they will take after entrance of the present Amendment, are attached as Appendix A.

B2  
50. (Amended) A method of modulating [an immune system response to] presentation of an antigen, the method comprising steps of:  
isolating from an individual one or more pAPC selected from the group consisting of: mature pAPC, immature pAPC, and precursors to pAPC;  
exposing the isolated cells to an antigen so that pAPC displaying the antigen are generated, and a pre-determined set of cytokines is expressed.

B3  
89. (Amended) The method of claim 64, wherein:  
the step of [administering] exposing comprises providing the antigen and the factor in separate encapsulation devices.

B4  
108. (Amended) The method of claim 51 [or claim 101], further comprising:  
administering antigen to the subject.

B5  
116. (Amended) The method of claim 109, wherein:  
the step of contacting comprises contacting the antigen-exposed pAPC with T cells in the presence of a Th1 inducing agent selected from the group consisting of [selected from the group consisting of] LPS, CD40, CD40 ligand, BCGs, oligonucleotides containing CpG motifs, THF, and microbial extracts, so that the expression of one or more Th1 cytokines is induced and a Th2 response is inhibited in the T cells.

B6  
161. (Amended) The method of claim 160, wherein:  
the [mature] pAPC are selected for their expression of Th1 cytokines.